

WHAT IS CLAIMED IS:

1. A magneto-optical head comprising:

a transparent substrate having a first surface, a second surface opposite to said first surface, and a side surface formed between said first and second surfaces;

a coil formed on said first surface of said transparent substrate, said coil having a first end and a second end;

a pair of first electrodes provided on said side surface of said transparent substrate so as to be connected to said first and second ends of said coil, respectively;

an objective lens unit provided on said second surface of said transparent substrate;

a flexible printed circuit sheet provided on said second surface of said transparent substrate, said flexible printed circuit sheet having an opening for insertion of said objective lens unit, a pair of conductor patterns, and a pair of second electrodes respectively formed at first ends of said conductor patterns; and

a pair of conductive wires for connecting said first electrodes and said second electrodes, respectively.

2. A magneto-optical head according to claim 1,

wherein said objective lens unit comprises a lens holder mounted on said second surface of said transparent substrate, a first lens held by said lens holder, and a second lens provided on said second surface of said transparent substrate.

3. A magneto-optical head according to claim 2, wherein the optical axes of said first and second lenses substantially pass through the center of said coil.

4. A magneto-optical head according to claim 1, wherein said conductive wires are welded to said first and second electrodes, respectively.

5. A magneto-optical head according to claim 4, wherein each of said conductive wires is formed of gold or copper.

6. A magneto-optical head according to claim 1, wherein each of said first electrodes is formed of nickel.

7. An assembling method for a magneto-optical head, comprising the steps of:

preparing a transparent substrate having a first surface on which a coil having a first end and a second end is formed, a second surface opposite to said first surface, and a side surface formed between said first and second surfaces;

positioning a pair of first electrodes on said side

surface of said transparent substrate so that said first electrodes are connected to said first and second ends of said coil, respectively;

mounting a flexible printed circuit sheet having an opening, a pair of conductor patterns, and a pair of second electrodes respectively formed at first ends of said conductor patterns, on said second surface of said transparent substrate;

positioning an objective lens unit on said second surface of said transparent substrate through said opening of said flexible printed circuit sheet; and

connecting a pair of conductive wires to said first electrodes and said second electrodes, respectively, by resistance welding.

8. An assembling method according to claim 7, wherein said step of connecting said conductive wires is performed in the condition where said flexible printed circuit sheet is bent to become substantially flush with said side surface of said transparent substrate.

9. An assembling method according to claim 8, wherein said step of connecting said conductive wires is performed in the condition where a butting member is placed on said side surface of said transparent substrate at a position near said first surface and that one end

portion of each conductive wire abuts against said butting member.

10. A magneto-optical storage device capable of at least reading information recorded on a magneto-optical recording medium, said magneto-optical storage device comprising:

a magneto-optical head capable of forming a beam spot on said magneto-optical recording medium and applying a magnetic field to said magneto-optical recording medium; and

a photodetector for generating a reproduction signal from light reflected on said magneto-optical recording medium;

said magneto-optical head comprising:

a transparent substrate having a first surface, a second surface opposite to said first surface, and a side surface formed between said first and second surfaces;

a coil formed on said first surface of said transparent substrate, said coil having a first end and a second end;

a pair of first electrodes provided on said side surface of said transparent substrate so as to be connected to said first and second ends of said coil, respectively;

an objective lens unit provided on said second surface of said transparent substrate;

a flexible printed circuit sheet provided on said second surface of said transparent substrate, said flexible printed circuit sheet having an opening for insertion of said objective lens unit, a pair of conductor patterns, and a pair of second electrodes respectively formed at first ends of said conductor patterns; and

a pair of conductive wires for connecting said first electrodes and said second electrodes, respectively.